

MAHARASHTRA POLLUTION CONTROL BOARD

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RED/S.S.I

Consent No: MPCB/16/12-000496

Date: 15/12/2016.

Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2008

[To be referred as Water Act, Air Act and HW (MH&TM) Rules respectively].

CONSENT is hereby granted to,
M/s. Jalaram Industries,
Plot No 71/A, Gumgaon,
Tq Saoner Dist Nagpur.

located in the area declared under the provisions of the Water Act, Air Act and Authorization under the provisions of HW(MH&TM) Rules and amendments thereto subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for a period up to:- 30/11/2019.
2. The Consent is valid for the manufacture of following Product(s)/Byproducts (Batch Process/Continuous Process)

Sr. No.	Product Name	Maximum Quantity	UOM
A	Product		
1)	Pyrolysis Oil	9000	Lit/Annum
2)	Carbon Black Powder	100	MT/Year
B	Byproducts		
1)	Steel Wire/MS Scrap	40	MT/Year

3. **CONDITIONS UNDER WATER ACT:**

- (i) The daily quantity of trade effluent from the factory shall be **NIL**.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed **0.30M³/Day**.
- (iii) Trade Effluent Treatment: **N.A.**
- (iv) Trade Effluent Disposal: **N.A.**



(v) Sewage Effluent Treatment: The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

1)	Suspended Solids	Not to exceed	100 mg/l.
2)	BOD 3 days 27 Deg. C	Not to exceed	100 mg/l.

(vi) Sewage Effluent Disposal: The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.

(vii) Other Conditions: Industry should monitor treated effluent quality at outlet regularly.

(viii) Non-Hazardous Solid Wastes: NIL

4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and amendment Rules, 2003 there under

The daily water consumption for the following categories is as under:

(i) Domestic	...	0.50 CMD
(ii) Industrial Processing	...	0.00 CMD
(iii) Industrial Cooling	...	3.00 CMD
(iv) Agriculture / Gardening	...	0.00 CMD

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

5. CONDITIONS UNDER AIR ACT:

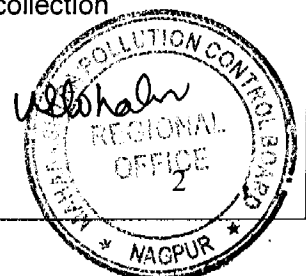
(i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

a. Standards for Emissions of Air Pollutants:

(i) Total Particulate Matter (TPM)	Not to exceed	150 mg/Nm ³
(ii) Sulphur Dioxide (SO ₂)	Not to exceed kg/day

b. Control Equipment: Air Pollution Control equipments of adequate capacity shall be provided to limit the emissions.

(i) Industry shall provide fume extraction system followed by dust collection system to carbon black handling section(s).



- (ii) Industry shall provide dust collector followed by wet scrubber to **Pyrolysis Kilns / Reactors.**
- (iii) There shall not be any secondary (fugitive) emissions.
- (iv) Industry shall install sensors for gases like CO along with alarms set at suitable threshold limit. The necessary piping arrangements for gases along with sensors shall be done in the work environment so as ensure safe operational practices.

(ii) The applicant shall observe the following fuel pattern:

Sr. No.	Type Of Fuel	Quantity	UOM
1)	Wood/Coal	500	Kg/Day

(ii) The applicant shall erect the chimney(s) of the following specifications:

Sr. No.	Chimney Attached To	Height in Mtrs.
	Reactor / Pyrolysis Kilns	30 mtrs. Or as per provisions of emission regulation Part-IV issued by CPCB whichever is higher.

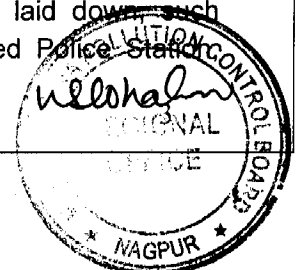
- (iv) The applicant shall provide ports in the chimney/(s) and facilities such as ladder platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- (v) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.

6. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008:

(i) The Industry shall handle hazardous wastes as specified below.

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
...NIL...				

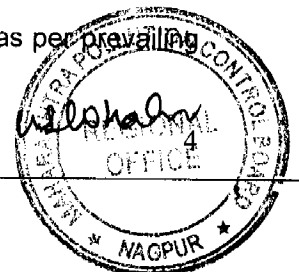
- (ii) Treatment: The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
- (iii) The industry should comply with the Hazardous Waste (MH & TM) Rules, 2008.
- (iv) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station



of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.

7. Specific Conditions:

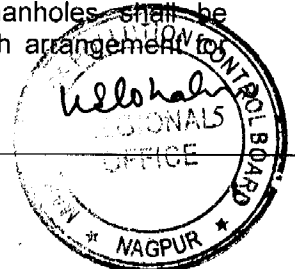
- (i) Industry shall make necessary provisions for storage of carbon dioxide gas which is used for degassing of the reactor to vent out off gases through condenser – water – burning chamber where these gases are burnt into flame. The degassing of reactor by carbon dioxide shall be done so as to ensure safe closure of the batch process.
- (ii) The flue gases from burning chamber, if any specifically during startup and burning of excess off gases from reactor, shall be vent out through chimney having adequate height 11 mtrs. Or as per provisions of emission regulation Part-IV issued by CPCB whichever is higher.
- (iii) **Industry shall use clean fuel such a LPG/PNG during startup of the reactor.**
- (iv) Industry shall ensure that there are no leakages from reactor, piping so as to minimize fugitive emissions. The records of preventive maintenance schedule of burner, reactor vessel, pyrolysis chamber and allied piping shall be maintained and made available for inspection during official visits.
- (v) The pyrolysis oil condensed from the vessel shall be collected in storage tanks located in earmarked areas. The pipelines shall be equipped with floating valve so as to avoid spillage due to overflow.
- (vi) There shall not be spillage of pyrolysis oil in and around the factory premises.
- (vii) Pyrolysis oil tanks shall be provided with arrangement of dyke wall and necessary safety arrangements.
- (viii) The vent of pyrolysis oil tanks shall be equipped with adequate capacity carbon filters so as to minimize emissions of off gases to avoid smell nuisance. The carbon filter's media (fine carbon particle size) shall be replaced periodically to ensure effective adsorption of gases.
- (ix) Industry shall maintain logbook which will specify plant operation time, raw material dead stock, product logistics along with their specifications, logistics of carbon dioxide, records of preventive maintenance etc. The records shall be made available to officials during inspections.
- (x) Industry shall make earmarked storage area for raw materials which shall be covered with shed. The storage area shall have cement concrete flooring with plinth height of 0.5 Mtrs. above the ground.
- (xi) Industry shall maintain minimum distance of 10 Mtrs. between plant area, raw material storage area, carbon black storage area and pyrolysis oil storage area.
- (xii) Industry shall keep 10 Mtrs. free passage area within work environment so as to get direct access to plant / raw material storage / carbon black storage area and pyrolysis oil storage area in case of emergencies.
- (xiii) Adequate fire fighting system shall be provided as per prevailing norms laid down by competent authority.



- (xiv) The industry shall comply provisions of "The Manufacture, Storage & Import of Hazardous Chemicals Rules, 1989".
- (xv) The rules and regulations notified by Ministry of Law and Justice, Govt. of India regarding Public Liabilities Insurance Act, 1991 shall be followed.
- (xvi) Industry shall prepare on site and off site disasters management plan which shall be approved by competent authorities.
- (xvii) Industry shall not carry out further processing of pyrolysis oil.
- (xviii) The byproducts like steel wire shall be collected properly and stored in closed shed.

8. Industry shall comply with following additional conditions:

- (i) The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- (ii) The applicant shall bring minimum 33% of the available open land under green coverage / tree plantation.
- (iii) Solid waste – The non hazardous solid waste arising in the factory premises, sweepings, etc., be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal to dumping ground.
- (iv) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the applicant to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent regarding pollution levels.
- (v) The applicant shall not change or alter quantity, quality, the rate of discharge, temperature or the mode of the effluent / emissions or hazardous wastes or control equipments provided for without previous written permission of the Board.
- (vi) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- (vii) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- (viii) The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- (ix) As inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- (x) The applicant shall install a separate electric meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- (xi) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement to



measuring the flow. No effluent shall be admitted in the pipes / sewers down-stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.

- (xii) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

9. Other Conditions:

- (i) Suitable sensor will be installed to ensure that all gases from the reactor have been evacuated before opening of the reactor for transfer of carbon black / steel wire.
- (ii) That the produced carbon black will be conveyed through hydraulic / screw conveyor in closed conditions. The carbon black generated from the manufacturing process can also be conveyed / collected / handled by using any other suitable technology, provided the state Board considers the technology to be appropriate.
- (iii) It shall be ensured that all the materials have been completely removed from the reactor for which a glass inspection window with provision of lights (illumination) shall be provided at the outer enclosures of the reactor. The end of the conveyor will be attached to a bagging plant where all the carbon black will be bagged in HDPE bags and the bags will be properly sealed.
- (iv) The bagging plant will be equipped with requisite air pollution control arrangements such as dust extraction system, bag filter to arrest all the carbon particles which may get air borne during bagging process and a vent of minimum height of 11m from the ground level.
- (v) Industry shall carry out ambient air quality monitoring at three locations simultaneously within their premises in consultation with the Regional Officer to monitor RSPM, carbon monoxide and methane / ethane gases at least once in three months through a recognized laboratory or by the industry. It will be ensured that monitoring shall be carried out only during the period when the plant is in operation.

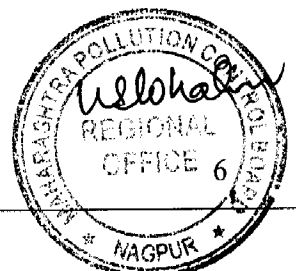
10. The capital investment of the industry is Rs. 38.61 Lakhs. (As per C.A. Certificate)

11. Industry shall strictly follow the Guidelines for Tyre Retreading and Recycling prepared by MPCB.

13. This consent is issued as per the minutes of 1st Reconstituted Expert Appraisal committee (Industry) of MoEF Govt. of India, meeting held during 24th & 25th September 2012.

14. The Board reserved the right to amend or add any conditions in this consent and the same shall be binding on the action.

15. Industry shall also comply with the industry specific standards notified under Environment protection Act.



16. This consent shall not be construed as any exemption from obtaining necessary No objection certificate from any other Government organizations.

N. S. Lohalkar
15.12.16
(N.S. Lohalkar)
I/c. Regional Officer



To,
M/s. Jalaram Industries,
Plot No 71/A, Gumgaon,
Tq Saoner Dist Nagpur.

Received Consent fee of –

Sr. No.	Amount	R.T.G.S/TXN N.	Date	Drawn On
	4500	TXN1610002287	24/10/2016

Copy submitted to favour of information to:-
Member Secretary, MPCB, Mumbai.

Copy forwarded for information:-
The chief Accounts officer, MPCB, Mumbai.

Copy to:- The Sub-Regional officer, Nagpur-I.

You are directed to submit the performance report along with the monitoring results within three months period w.r.t. submitted Bank Guarantee.